

## Senior Design Evaluation Rubric: Technical Communication

This develops the CIS Senior Design rubric criterion, “In the course of the senior design project, students will be evaluated on their ability to effectively communicate technical information in both written and oral form.”

### Use of the rubric:

- To guide revision.
- To evaluate the final project.
- To measure departmental progress toward expected outcomes.

	<u>Exemplary</u>	<u>Proficient</u>	<u>Fair</u>	<u>Poor</u>
<b>Quality of writing</b>	<p>The project writeup is clearly organized (at all levels: sentence, paragraph, section and document) and is well written according to academic standards.</p> <p>Writing is free of errors; word choice, expression and graphics are all excellent.</p>	<p>The project writeup is clearly organized and <b>reasonably well written</b>. Wording, while not always ideal, does not cloud meaning.</p> <p>Grammatical or rhetorical errors are minimally distracting and do not detract from the reader’s ability to understand the paper.</p>	<p>The project writeup exhibits poor organization, grammatical errors or lapses in rhetorical style which are distracting and which detract from the intelligibility of the paper.</p> <p>It is sometimes difficult to understand what has been accomplished.</p>	<p>The project writeup has serious structural deficiencies which make it impossible to understand what has been accomplished.</p>
<b>Clarity of content</b>	<p>Project objectives, results and technical approach are all clearly described.</p>		<p>The descriptions provided of the project objectives, results and technical approach leave <b>some</b> important questions unanswered.</p>	<p>The descriptions provided of the project objectives, results and technical approach leave <b>many</b> important questions unanswered.</p>

<b>Logical development of content</b>	The technical approach and conclusions are logically supported by relevant technical analyses.		The technical approach and conclusions are <b>not clearly supported by</b> the technical analysis presented.	The technical approach and conclusions are <b>not supported</b> by a compelling technical analysis.
<b>Ethical use of sources</b>	The student clearly acknowledges outside sources both in the body of the paper and in an appropriately-formatted list of references at the end.		It is not always clear where or how outside sources were used. OR The reader cannot always link an in-text citation to the appropriate entry in the list of references.	
<b>Project poster</b>	The project poster clearly explains the objectives and results of the effort. Layout, graphics and wording are all <b>excellent</b> .	The project poster clearly explains the objectives and results of the effort. Layout, graphics and wording are <b>good</b> .	The project poster does not clearly explain the objectives and results of the effort. The fault may lie with layout, graphics or wording.	
<b>Oral presentation</b>	The student is able to explain all aspects of the project and discuss his or her work in the context of <b>all</b> other related efforts.	The student is able to explain all aspects of the project and discuss his or her work in the context of <b>most</b> other related efforts.	The student is unable to answer all of the questions related to the project to the satisfaction of the examiner.	The student is unable to provide a coherent explanation of the project to the examiner.